

WHAT IS CLAIMED IS:

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1. A method of killing cockroaches comprising the steps of:
preparing eugenol in a hydrocarbon solvent,
applying the eugenol in the hydrocarbon solvent to the cockroaches and the habitat thereof wherein the cockroaches are exposed to an effective dose to kill the cockroaches.
 2. The method of claim 1, wherein the hydrocarbon solvent is an isoparaffinic hydrocarbon.
 3. The method of claim 1, wherein the eugenol is approximately 1% by volume.
 4. The method of claim 3, wherein approximately 60% of the cockroaches are killed in 15 min.
 5. The method of claim 1, wherein the eugenol is approximately 5% by volume.
 6. The method of claim 5, wherein approximately 100% of the cockroaches are killed in 10 min.
 7. A method of killing cockroaches comprising the steps of:
preparing a mixture of phenyl ethyl propionate, eugenol and a carrier,
applying the mixture to the cockroaches and the habitat thereof, wherein the cockroaches are exposed to an effective dose to kill the cockroaches.
 8. The method of claim 7, wherein the phenyl ethyl propionate is present in the range of approximately 2% - 9% by weight of the mixture and the eugenol is present in the range of 0.9% - 3.5% by weight of the mixture.
 9. The method of claim 7, wherein the carrier is a dust.

10. The method of claim 9, wherein the carrier is a mixture of a finely divided clay, sodium bicarbonate and calcium carbonate.

11. A method of killing cockroaches comprising the steps of:
preparing a mixture of cervacrol with a carrier,
applying the mixture to cockroaches and the habitat thereof, wherein the cockroaches are exposed to an effective dose to kill the cockroaches.

12. The method of claim 11, wherein the carrier is selected from a group consisting of an aerosol, a dust, a powder and an emulsion.

13. The method of claim 11, wherein a concentration ranging between 40 mg - 100 mg of carvacrol / 250 cm² kills at least 50% of exposed cockroaches.

14. A method of killing cockroaches comprising the steps of:
preparing a mixture of thyme oil with a carrier,
applying the mixture to cockroaches and the habitat thereof, wherein the cockroaches are exposed to an effective dose to kill the cockroaches.

15. The method of claim 14, wherein the carrier is selected from a group consisting of an aerosol, a dust, a powder and an emulsion.

16. The method of claim 14, wherein a concentration ranging between 30 mg - 40 mg of thyme oil / 250 cm² kills at least 50% of exposed cockroaches.

17. A method of killing cockroaches comprising the steps of:
preparing a mixture of thymol with a carrier,
applying the mixture to cockroaches and the habitat thereof, wherein the cockroaches are exposed to an effective dose to kill the cockroaches.

18. The method of claim 17, wherein the carrier is selected from a group consisting of an aerosol, a dust, a powder and an emulsion.

19. The method of claim 17, wherein a concentration of approximately 40 mg of thymol / 250 cm² kills at least 50% of exposed cockroaches.

20. A method of killing cockroaches comprising the steps of:

preparing a mixture of an affector agent with a carrier, the affector agent being composed of carbon, hydrogen and oxygen atoms and being generally regarded as safe, wherein the affector agent is an agonist or antagonist to octopamine receptor sites in the cockroaches and is selected from the group consisting of carvacrol, thyme oil, thymol and mixtures thereof,

applying the mixture to cockroaches and the habitat thereof, wherein the cockroaches are exposed to an effective dose to kill the cockroaches.

21. The method of claim 20, wherein a concentration ranging between 20 mg - 80 mg of the affector agent / 250 cm² kills at least 50% of exposed cockroaches.